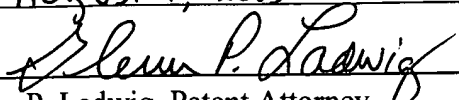
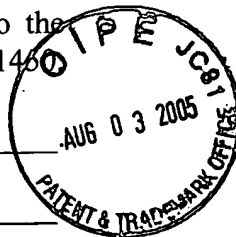


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on August 1, 2005

  
Glenn P. Ladwig, Patent Attorney



INFORMATION DISCLOSURE  
STATEMENT

Examining Group 1651  
Patent Application  
Docket No. USF-167XC1  
Serial No. 10/815,388

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Allison M. Ford  
Art Unit : 1651  
Applicants : Pablo Caviedes *et al.*  
Serial No. : 10/815,388  
Filed : March 31, 2004  
For : Materials and Methods for Regulating Process Formation in Cell Culture

MS AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

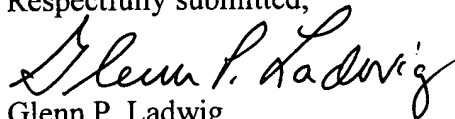
INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§1.97 AND 1.98

Sir:

In accordance with 37 CFR §1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the examiner for consideration in connection with the examination of the above-identified patent application. A copy of each cited reference is enclosed.

The applicants respectfully assert that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,



Glenn P. Ladwig  
Patent Attorney

Registration No. 46,853

Phone No.: 352-375-8100

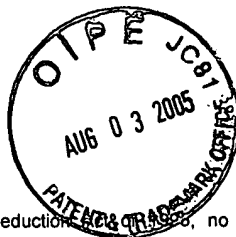
Fax No.: 352-372-5800

Address: P.O. Box 142950

Gainesville, FL 32614-2950

GPL/mv

Attachments: Form PTO/SB/08 (4 pages); copies of references cited therein.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

4

**Complete if Known**

Application Number	10/815,388
Filing Date	March 31, 2004
First Named Inventor	Pablo Caviedes
Group Art Unit	1651
Examiner Name	Allison M. Ford
Attorney Docket Number	USF-167XC1

**NON PATENT LITERATURE DOCUMENTS**

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	R1	ALLEN, D.D. <i>et al.</i> "Impaired cholinergic function in cell lines derived from the cerebral cortex of normal and trisomy 16 mice" <i>Eur. J. Neurosci.</i> , 2000, 12:3259-3264.	
	R2	ALLEN, D.D. <i>et al.</i> "A dorsal root ganglia cell line derived from trisomy 16 fetal mice, a model for Down syndrome" <i>NeuroReport</i> , 2002, 13:491-496.	
	R3	ANDREWS, B.A. <i>et al.</i> "Factors for the Optimization of the Culture of Neuronal Cell Lines for the Development of Cell Transplant Material" poster presented at the Cell Culture & Engineering Conference in Snowmass, CO, April 1-6, 2002.	
	R4	ARRIAGADA, C. <i>et al.</i> "Studies of aminochrome toxicity in a mouse derived neuronal cell line: is this toxicity mediated via glutamate transmission?" <i>Amino Acids</i> , 2000, 18:363-373.	
	R5	BARROS, V.G. <i>et al.</i> "Corticosterone down-regulates dopamine D <sub>4</sub> receptor in a mouse cerebral cortex neuronal cell line" <i>Neurotoxicity Res.</i> , 2003, 5(5):369-374.	
	R6	BHADRIARAJU, K. and HANSEN, L.K. "Hepatocyte adhesion, growth and differentiated function on RGD-containing proteins" <i>Biomaterials</i> , 2000, 21:267-272.	
	R7	CÁRDENAS, A. <i>et al.</i> "Cell lines derived from hippocampal neurons of the normal and trisomy 16 mouse fetus (a model for down syndrome) exhibit neuronal markers, cholinergic function, and functional neurotransmitter receptors" <i>Experimental Neurology</i> , 2002, 177:159-170.	
	R8	CÁRDENAS, A. <i>et al.</i> "Establishment and characterization of immortalized neuronal cell lines derived from the spinal cord of normal and trisomy 16 fetal mice, an animal model of Down syndrome" <i>J. Neurosci. Res.</i> , 2002, 68:46-58.	
	R9	CÁRDENAS, A.M. <i>et al.</i> "Calcium signals in cell lines derived from the cerebral cortex of normal and trisomy 16 mice" <i>NeuroReport.</i> , 1999, 10:363-369.	
	R10	CARMONA, M.T. and CAVIEDES, R. "Effects of factors derived from a tumor clonal cell line on DNA synthesis of transformed and non transformed cells" <i>Cell Biol Int Rep.</i> , 1985, 9(3):209-218.	
	R11	CAVIEDES, P. <i>et al.</i> "Calcium fluxes, ion currents and dihydropyridine receptors in a new immortal cell line from rat heart muscle" <i>J. Mol. Cell Cardiol.</i> , 1993, 25:829-845.	
	R12	CAVIEDES, R. and STANBURY, J.B. "Studies on a cell line from a functional rat thyroid tumor in continuous culture" <i>Endocrinology</i> , 1976, 99:549-554.	
	R13	CAVIEDES, R. <i>et al.</i> "Tetrodotoxin-sensitive sodium channels in a continuously cultured cell line derived from the adult rat cerebellum" <i>Brain Res.</i> , 1986, 365(2):259-268.	

Examiner  
Signature

Date

Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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			Application Number	10/815,388	
			Filing Date	March 31, 2004	
			First Named Inventor	Pablo Caviedes	
			Group Art Unit	1651	
			Examiner Name	Allison M. Ford	
Sheet	2	of	4	Attorney Docket Number	USF-167XC1

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	R14	CAVIEDES, R. <i>et al.</i> "Identification of kallikrein in cultures of adult renal cells" <i>Cell Biol Int Rep</i> , 1987, 11(10):735-743.	
	R15	CAVIEDES, R. <i>et al.</i> "Ion channels in a skeletal muscle cell line from a Duchenne muscular dystrophy patient" <i>Muscle Nerve</i> , 1994, 17(9):1021-1028.	
	R16	CHEN, G. <i>et al.</i> "Photoimmobilization of sulfated hyaluronic acid for antithrombogenicity" <i>Bioconj. Chem.</i> , 1997, 8:730-734.	
	R17	CHIU, D.T. <i>et al.</i> "Patterned deposition of cells and proteins onto surfaces by using three-dimensional microfluidic systems" <i>Proc. Acad. Sci. USA</i> , 2000, 97:2408-2413.	
	R18	CLÉMENTCE, J.F. <i>et al.</i> "Photoimmobilization of a bioactive laminin fragment and pattern-guided selective neuronal cell attachment" <i>Bioconj. Chem.</i> , 1995, 6:411-417.	
	R19	DELAMARCHE, E. <i>et al.</i> "Patterned diversity of immunoglobulins to surfaces using microfluidic networks" <i>Science</i> , 1997, 276:779-781.	
	R20	EAGLE, H. <i>et al.</i> "Myo-inositol as an essential growth factor for normal and malignant human cells in tissue culture" <i>J. Biol. Chem.</i> , 1956, 123:845-847.	
	R21	EAGLE, H. "Media for Animal Cell Culture" <i>Tissue Culture Association Manual</i> , 1976, 3:517-519.	
	R22	EAGLE, H. "Amino acid metabolism in mammalian cell cultures" <i>Science</i> , 1959, 130:432-437.	
	R23	EAGLE, H. "Nutrition needs of mammalian cells in tissue culture" <i>Science</i> , 1955, 122:501-504.	
	R24	FOLCH, A. and TONER, M. "Cellular micropatterns on biocompatible materials" <i>Biotechnol. Prog.</i> , 1998, 14:338-392.	
	R25	HORACEK, M.J. <i>et al.</i> "Adult adenohypophyseal cells express $\beta_1$ integrins and prefer laminin during cell-substratum adhesion" <i>In Vitro Cell. Dev. Biol.</i> , 1994, 30A:35-40.	
	R26	LERNHARDT, W. and SPEAR, D. "Improved adherent mammalian cell transfection with ProNectin™ F recombinant attachment factor" <i>Strategies in Molecular Biology</i> , 1993, 5:48-50.	

Examiner Signature	Date Considered
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				Group Art Unit	1651
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				Attorney Docket Number	USF-167XC1
Sheet	3	of	4		

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	R27	LIBERONA, J.L. <i>et al.</i> "Expression of ion channels during differentiation of a human skeletal muscle cell line" <i>J. Muscle Res. Cell Motility</i> , 1997, 18:587-598.	
	R28	LIBERONA, J.L. <i>et al.</i> "Differences in both inositol 1,4,5-trisphosphate mass and inositol 1,4,5-trisphosphate receptors between normal and dystrophic skeletal muscle cell lines" <i>Muscle &amp; Nerve</i> , 1998, 21:902-909.	
	R29	LIU, V.A. <i>et al.</i> "Engineering protein and cell adhesivity using PEO-terminated triblock polymers" <i>J. Biomed. Mater. Res.</i> , 2002, 60:126-134.	
	R30	LOM, B. <i>et al.</i> "A versatile technique for patterning biomolecules onto glass coverslips" <i>J. Neurosci. Methods</i> , 1993, 50:385-397.	
	R31	LWEBUGA-MUKASA, J.S. "A Mn <sup>2+</sup> -enhanced, RGD-dependent adhesion technique for isolation of adult rat type II alveolar epithelial cells for immediate functional studies" <i>Am. J. Respir. Cell Mol. Biol.</i> , 1994, 10:347-354.	
	R32	MAUNG, K. <i>et al.</i> "Requirement for focal adhesion kinase in tumor cell adhesion" <i>Oncogene</i> , 1999, 18:6824-6828.	
	R33	NEEDEL, D.L. <i>et al.</i> "Long-term support by injured brain extract of a subpopulation of ciliary ganglion neurons purified by differential adhesion" <i>Neurochem. Res.</i> , 1987, 12(10):901-907.	
	R34	PARIS, I. <i>et al.</i> "Copper neurotoxicity is dependent on dopamine-mediated copper uptake and one-electron reduction of aminochrome in a rat substantia nigra neuronal cell line" <i>J. Neurochem.</i> , 2001, 77:519-529.	
	R35	RUOSLAHTI E. and PIERSCHBACHER, M.D. "New perspectives in cell adhesion: RGD and integrins" <i>Science</i> , 1987, 238:491-497.	
	R36	SALAZAR, J. <i>et al.</i> "Intrastriatal implantation of RCSN adult rat substantia nigra-derived cells reverts rotational behaviour in 6OH dopamine lesioned rats" Abstract No. 300.8, Society for Neuroscience, Washington, D.C., 2003	
	R37	SINGHVI, R. <i>et al.</i> "Engineering cell shape and function" <i>Science</i> , 1994, 264:696-698.	
	R38	STEDRONSKY, E.R. <i>et al.</i> "Injection molding of ProNectin® dispersed in polystyrene for the fabrication of plastic ware activated towards attachment of mammalian cells" <i>Materials Research Society Symposium Proceedings</i> , 1994, 330:157-164.	
	R39	VARANI, J. <i>et al.</i> "Use of recombinant and synthetic peptides as attachment factors for cells on microcarriers" <i>Cytotechnology</i> , 1993, 13:89-98.	

Examiner Signature	Date Considered
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Sheet	4	of	4	Attorney Docket Number	USF-167XC1

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	R40	ZHENG, J. <i>et al.</i> "Measurements of growth cone adhesion to culture surfaces by micromanipulation" <i>J. Cell Biol.</i> , 1994, 127(6, Part 2):2049-2060.	
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